

5 CLAIMS

1. A plant protection device, characterised in that it has the form of a tube, consisting of at least one parchmented or vulcanized fibrous support in the form of a sheet containing annual fibres, the device being biodegradable.

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2. A device according to claim 1, characterised in that it consists in two concentric tubes.

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3. A device according to claim 1, characterised in that there is a cut in the tube along the entire length thereof.

4. A device according to claim 1, characterised in that there is a pre-cut in the tube along at least a part of the length or the entire length thereof.

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5. A device according to claim 1, characterised in that the fibrous support contains at least 20 %, advantageously at least 50 %, preferably 75 % by weight of annual plant fibres.

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6. A plant protection device according to claim 1, characterised in that the fibrous support contains among other things unbleached or bleached vegetal fibres obtained from coniferous or deciduous plants and synthetic fibres, such as e.g. viscose, by themselves or as a mixture.

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7. A plant protection device according to claim 1, characterised in that the parchmented or vulcanized fibrous support has a grammage of 50 - 250 g/m², advantageously 100 g/m².

8. A plant protection device according to claim 1, characterised in that it has a transparency of between 15 % and 25 %, advantageously of 20 %.

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- 5 9. A plant protection device according to claim 1, characterised in that the vulcanized or parchmented fibrous support is covered with several fungistatic, fungicidal or bactericidal repulsive products sprayed to the surface thereof.
- 10 10. A plant protection device according to claim 1, characterised in that it is a core produced by rolling spirally the parchmented or vulcanized fibrous support.
- 15 11. A plant protection device according to claim 10, characterised in that the core is produced by superposing 2 – 15, advantageously 5, parchmented or vulcanized sheets, the lower face of each sheet being coated with adhesive.
- 20 12. A plant protection device according to claim 11, characterised in that the core has a diameter of at least 120 mm, advantageously of 360 mm.
- 25 13. A plant protection device according to claim 10, characterised in that the core is produced by superposing 2 – 5, advantageously 3, parchmented or vulcanized sheets, the lower face of each sheet being coated with adhesive.
- 30 14. A plant protection device according to claim 13, characterised in that the core has a grammage of 300 - 400 g/m², advantageously of 350 - 360 g/m².
15. A plant protection device according either of claims 11 or 13, characterised in that the adhesive consists exclusively of biodegradable polymers chosen from the group comprising polyvinyl alcohol, natural rubber, starch, gelatine, polysaccharides, arabic gum, alginate and carboxymethyl cellulose.
16. A plant protection device according to claim 1, characterised in that the fibrous support is a folding corrugated sheet.
- 35 17. A plant protection device according to claim 16, characterised in that the corrugated sheet is glued between two parchmented and/or vulcanized sheets.

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18. A plant protection device according to claim 1, characterised in that the fibrous support has the form of a pot, the bottom of which is obtained by folding the free end of a core inwards.

10 19. A plant protection process consisting in positioning the device forming the subject of one of claims 1 to 18 around the plant.